



## Early Journal Content on JSTOR, Free to Anyone in the World

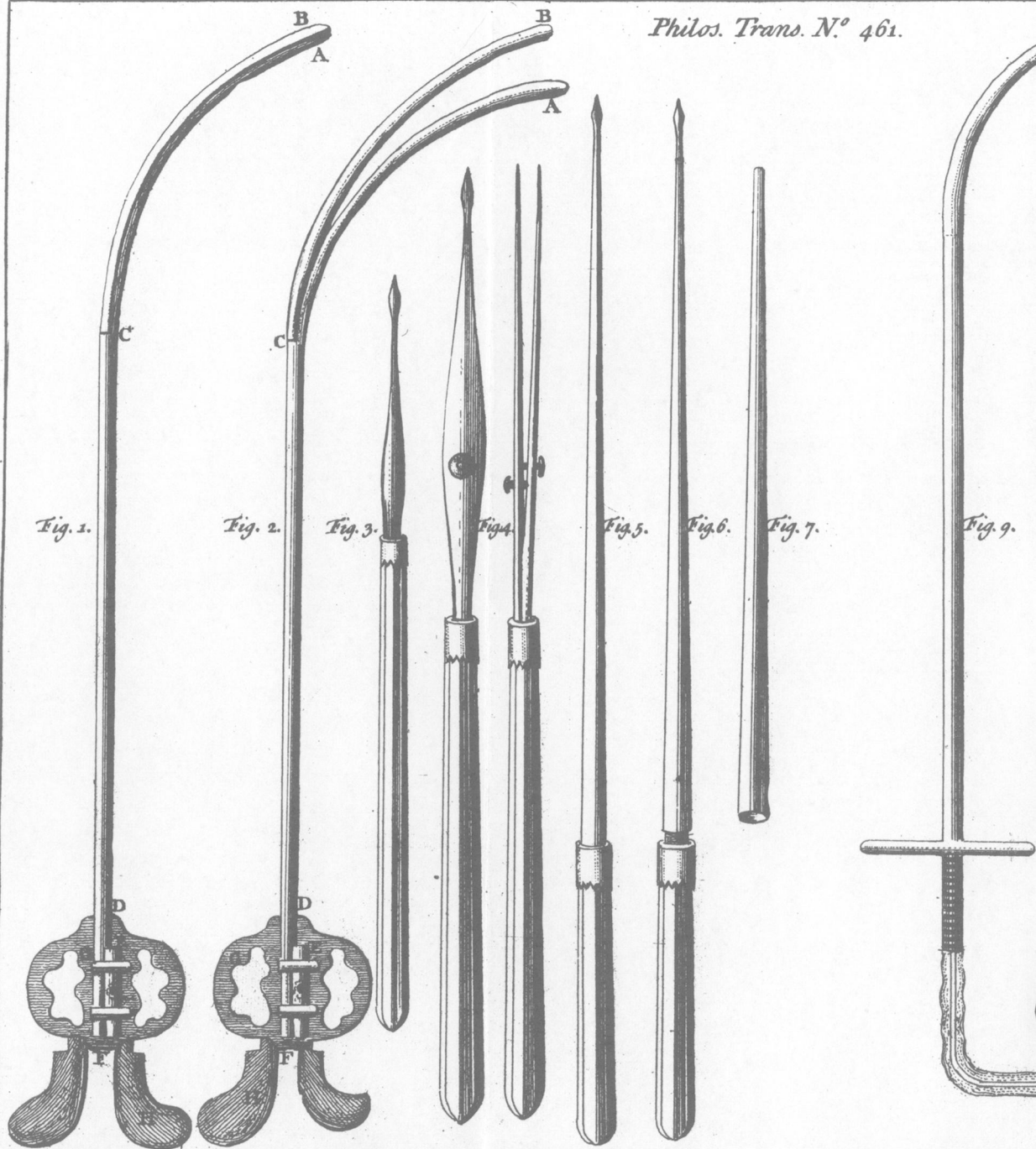
This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

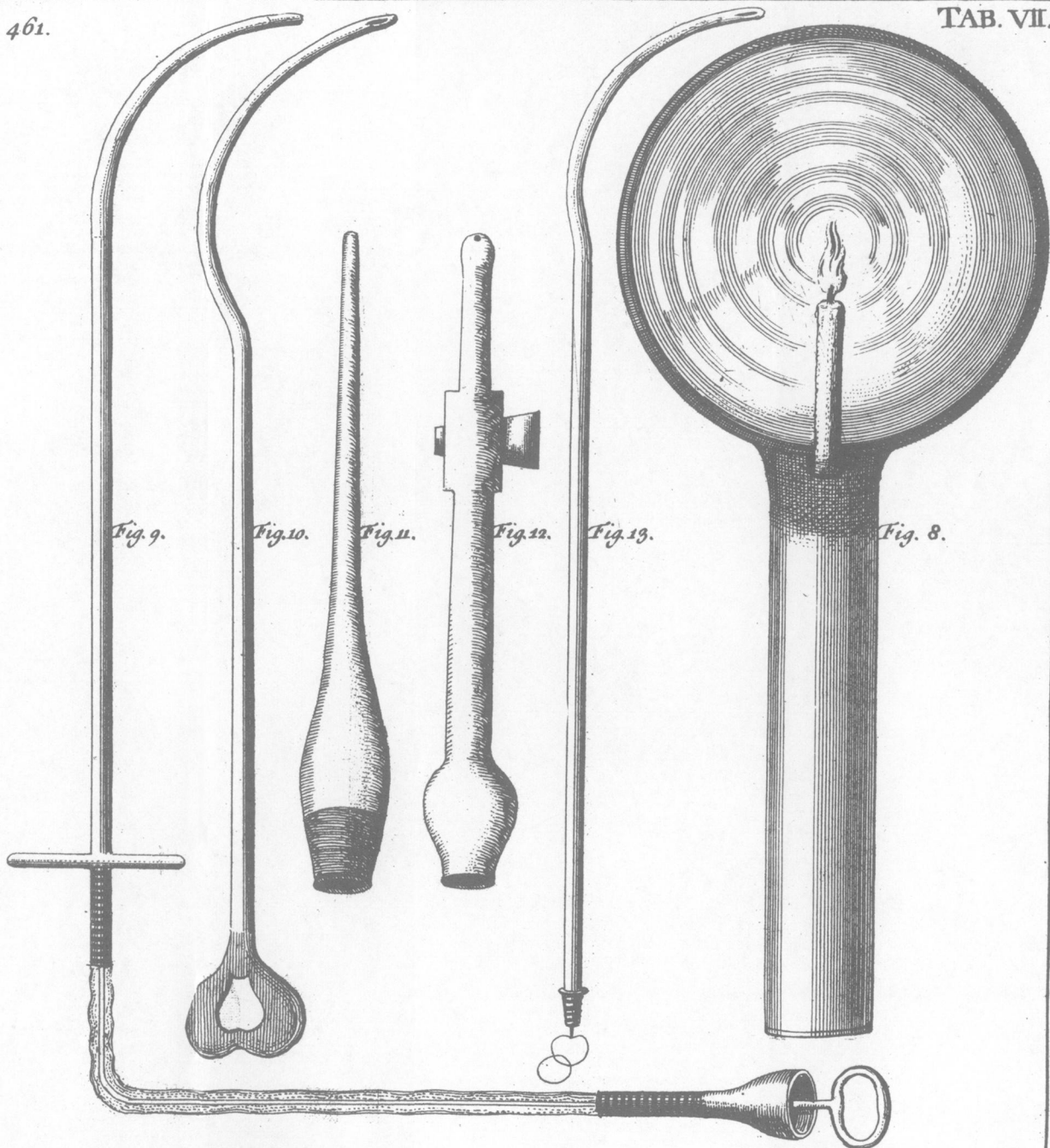
Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).





XXVI. *A Description of a Catheter, made to remedy the Inconveniencies which occasioned the leaving off the High Operation for the Stone; by Archibald Cleland, Surgeon to General Wade's Regiment of Horse.*

AS this Operation was left off very precipitately, in order to introduce that Method now called the *Lateral Operation*, which has been practised for some time with good Success; notwithstanding, had the Operators at that time had the Advantage of this Instrument I here offer to this Honourable SOCIETY, I am persuaded the Advantage would have been more than equal in favour of this *High Operation*, and preferable to any other Method yet practised: And I humbly hope, that the Description, and the Method of using this *Catheter*, will be a means of reviving an Operation so happily begun, and calculated for the Good of those that are afflicted with the Stone in the Bladder.

This *Catheter* is made either of Silver or Steel, of different Sizes, to suit different Ages; and has the outward Appearance of a common *Catheter* [TAB. VII. *Fig. 1.*], and will answer the same Uses: But, in respect to this Operation, it differs from the common in this, that it is composed of Two Legs [*Fig. 2.*], with blunt Points, a long Tube, a Sliding bolt; and a Handle, which serves to open and shut the Legs: The Bolt, which is fixed to the Extremity of the Tube, goes into Two Holes, fixed in the Plate of the Handle: The  
one

one serves to keep the Legs close during the time it is to be introduced into the Bladder, the other to extend the Points at the Distance of an Inch or more, during the time the Operation is performing.

The Method of using this *Catheter* is, first, (after having taken the necessary Precautions, and filled the Bladder) to introduce the *Catheter* into the Bladder, then unbolt it at the Handle, and by holding the Tube in one Hand, and the Handle that moves the Legs in the other, then turn or open the Legs, till the Bolt becomes opposite to the Second Hole upon the Plate into which the Bolt must be thrust; then by pressing gently the Handle downwards betwixt the Patient's Legs, the Two blunt Points will be easily felt above the *Os Pubis*, in the Protuberance made by the Injection into the Bladder.

The Advantages I propose by using this Instrument, are these: First, To be a Director for the Operator, in determining the Place where the Puncture is to be made in the Bladder; it also serves as a Support to the Bladder, when the Water flows out; and keeps it from subsiding during the Time of the Operation, and till the Stone is extracted: It serves likewise to resist the Pressure of the abdominal Muscles and *Peritoneum*, and also hinders the *Intestines* from being forced down upon the Knife; and keeps the Orifice open, till the Stone or Stones are brought away. And, lastly, by the Help of this Instrument it may be discovered, whether the Bladder is indurated or scirrhus.

The Method of performing this Operation, with Safety, is, after having introduced and fixed the *Catheter* with its Legs open, to feel for the Two Points

above the *Os Pubis*, and place the Finger and Thumb gently upon them; then give the Handle to an Assistant, to keep it firm in that Position; then, with the Knife in the Right Hand, make a Puncture at once into the Bladder, exactly in the Middle betwixt the Points; but, for the more Security, somewhat lower nearer the *Os Pubis*; and, without drawing out the Knife, make a large Incision downwards, inclining under the Arch of the *Pubis*, in proportion to the Bigness of the Stone, taking care not to wound the Cartilage that joins the Bones together, when the Knife is withdrawn: The Bladder being thus supported, the Stone may be extracted with the Fingers, or with a small Pair of Tenets, there being little Danger of breaking it in this Method. When the Operation is finished, raise the Handle of the *Catheter*, and unbolt it; shut it close and fix it so; then withdraw the *Catheter*, and dress the Patient.

April 5. 1739.

See TAB. VII.

Fig. 1. *The Catheter, as it is to be introduced into the Bladder, the Two Legs A and B being closed together.*

Fig. 2. *The Catheter, its Two Legs A, B, being open. C, D, The Tube.*

E, *The Sliding-bolt.*

F, *The Two Holes into which the Bolt is to be slid.*

G, *The Ears fixt to the Tube C, D, which is all of one Piece with the Leg A.*

H, *The Handle, which opens the Legs; this Handle is all of one Piece with the*

*the Leg B, which Leg B is a Continuation of a Wire, that runs through the Tube C D, and is fastened to the Handle H, and turns with it.*

---

## XXVII. *A Description of Needles made for Operations on the Eyes, and of some Instruments for the Ears, by the Same.*

THE first differs from a common Couching-needle, [TAB. VII. *Fig. 3.*] in this, that it is made of Two Pieces of Steel soldered together, and fixed in a Handle [*Fig. 4.*]: At a little Distance from the Handle they separate, and have ; in each *Lamina*, a Button fixed, which passes through a Hole in the other ; from this Part to the Points, they are so nicely applied, and polished together, that they cut, and have the Shape of a common Needle: Upon pressing the Buttons, the Points are separated, and in the Inside of the broad Part of the Points are several small Indents, to prevent any thing from slipping, after it has once got hold.

The Use of this Needle is, either to depress a Cataract ; or, if it should be found of such a Nature as to bear to be taken hold of, then, by opening the Points, to engage it, and carefully bring it out of the Eye.

If it should happen, that in depressing the Cataract, or in bringing it out of the Eye, some of the small Vessels are wounded, and some Drops of Blood diffuse themselves in the aqueous Humour ; this second Needle [*Fig. 5.*] is made with Design to remedy this Inconveniency. It